

Active safety steering column

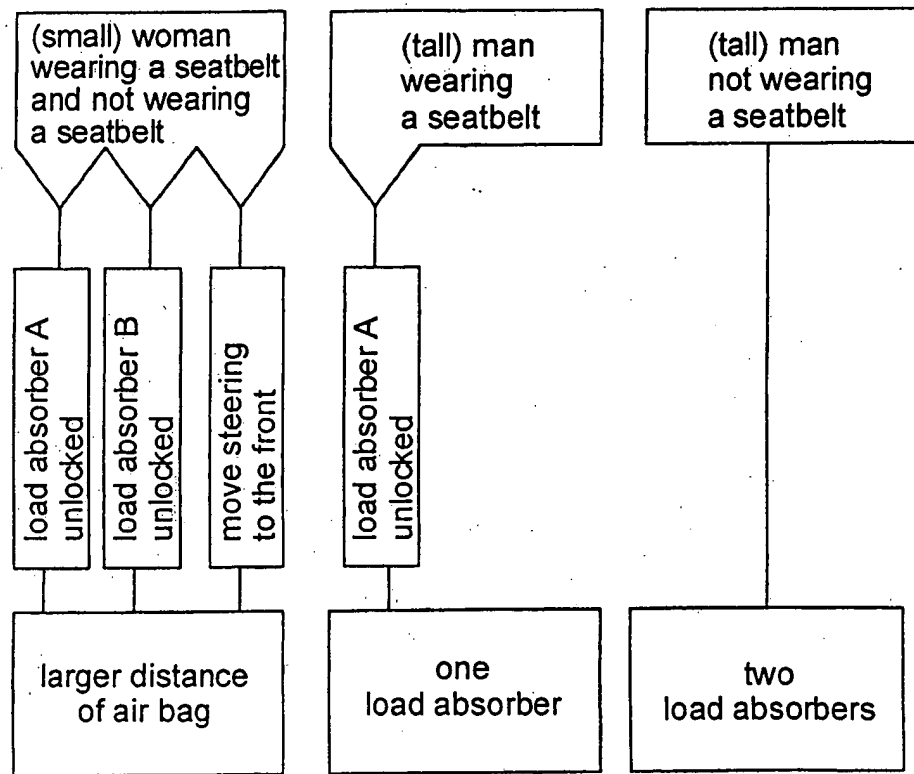


Fig. 1

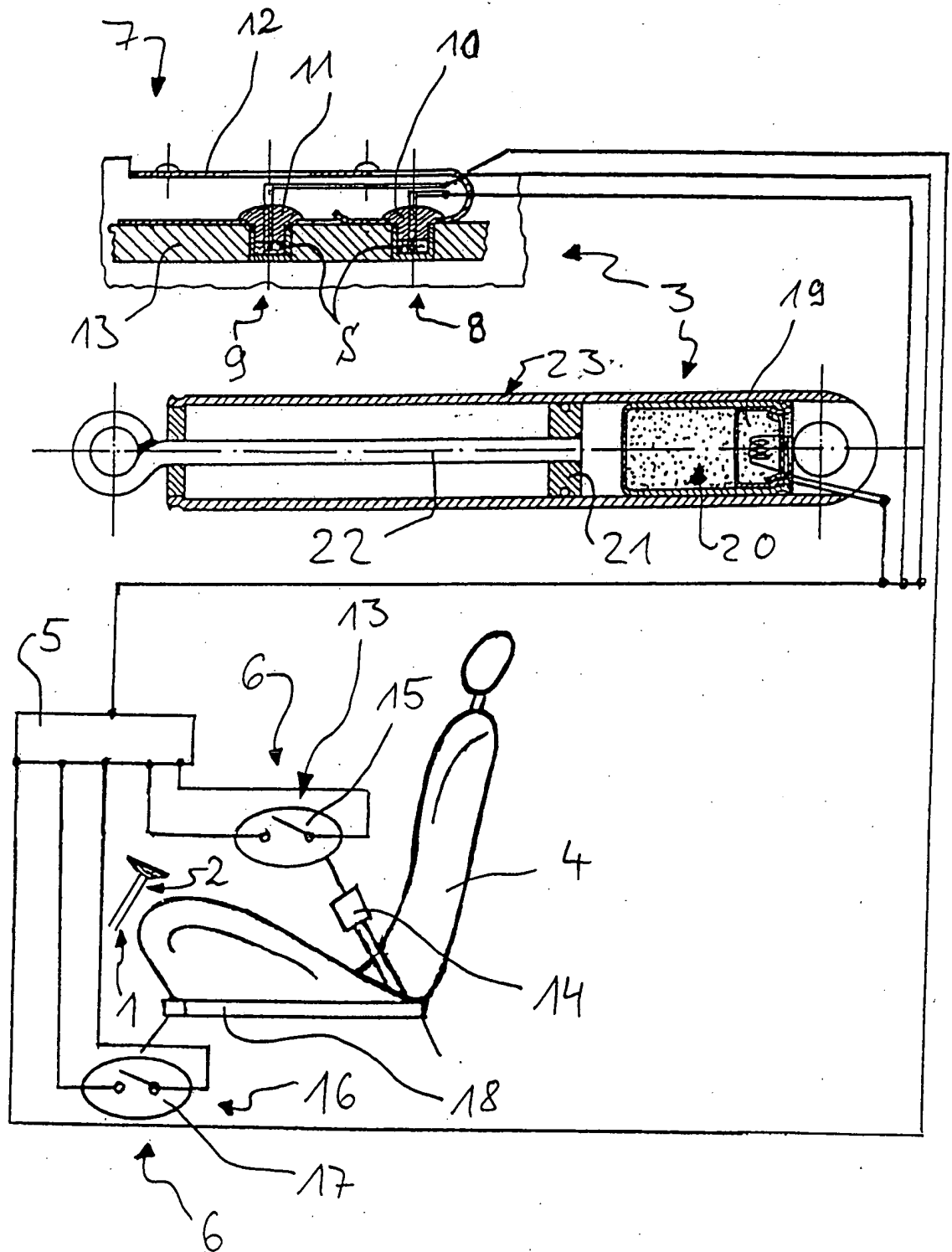


Fig. 2

Fig. 3a

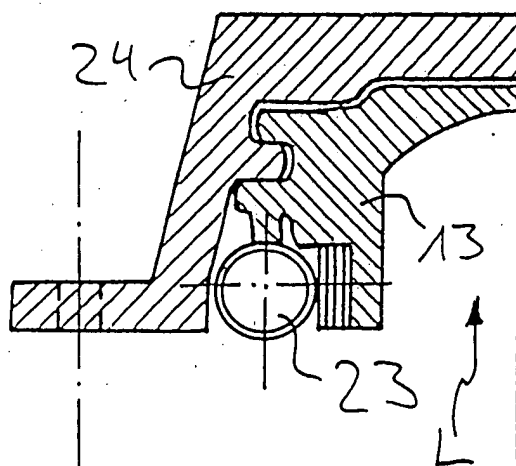
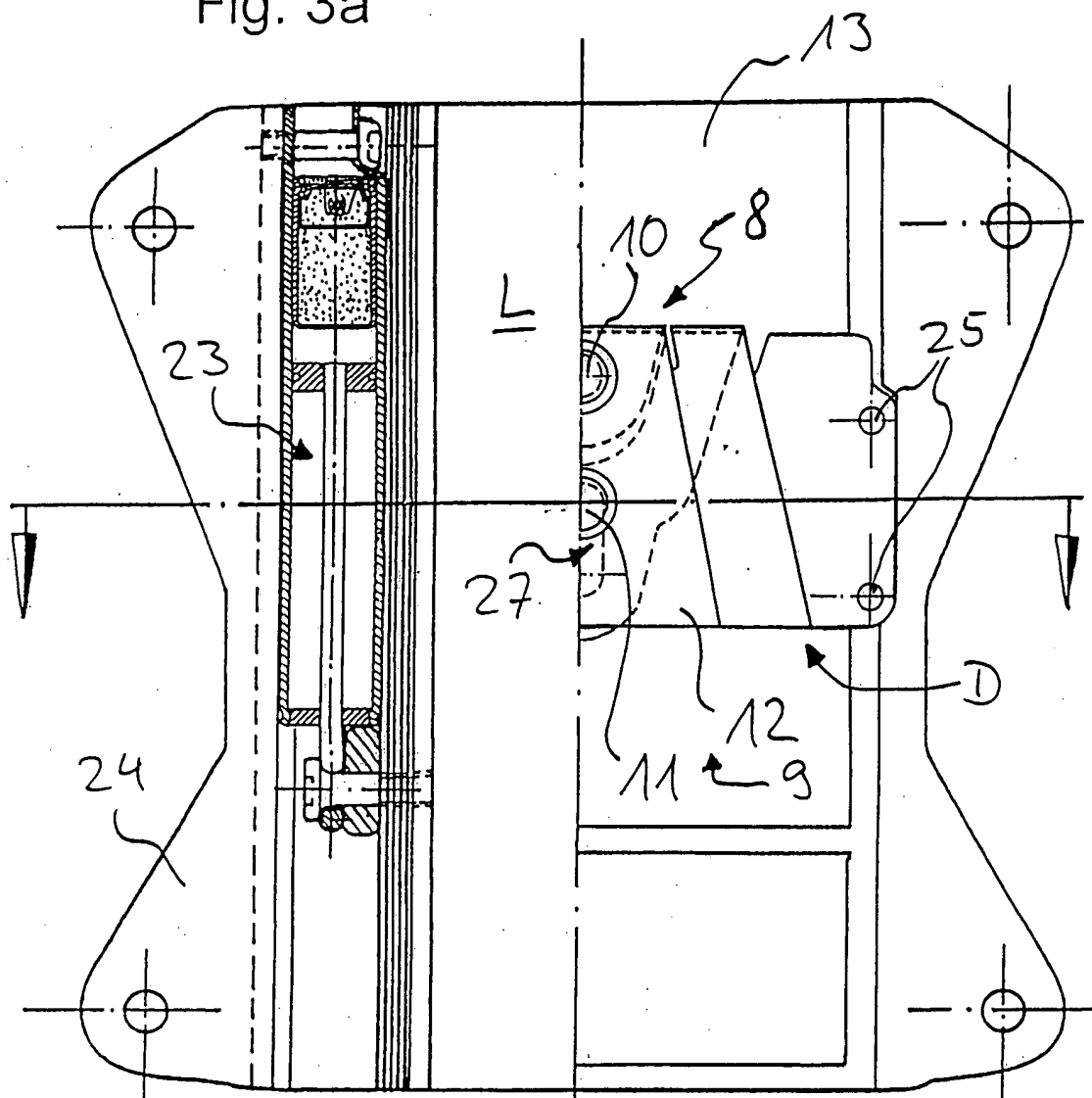


Fig. 3b

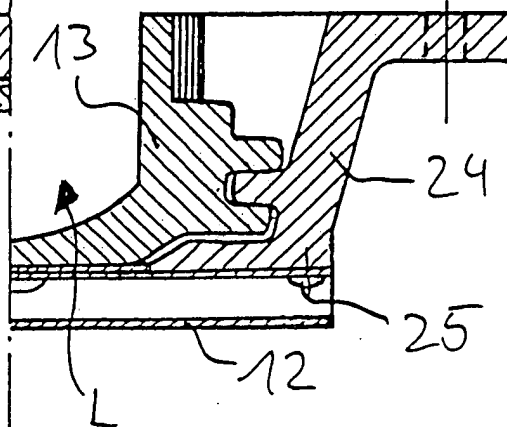
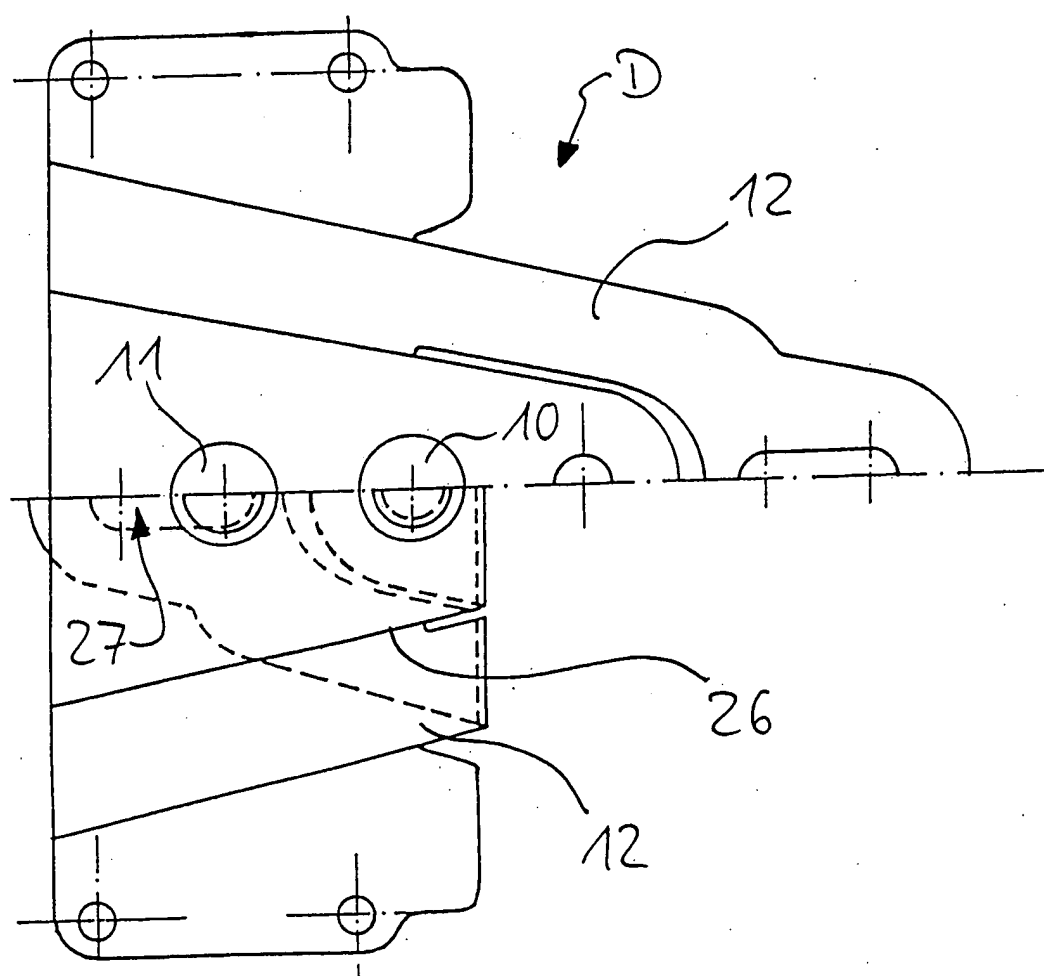
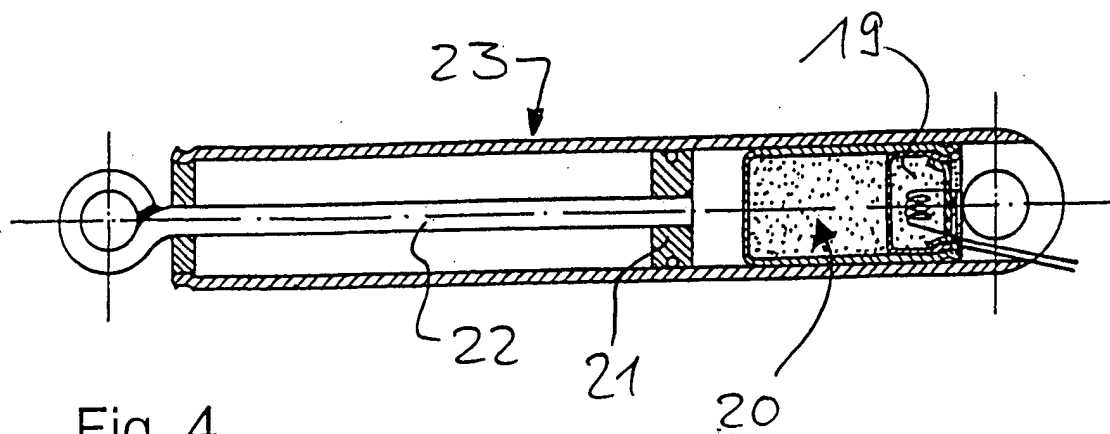


Fig. 3c

BEST AVAILABLE COPY



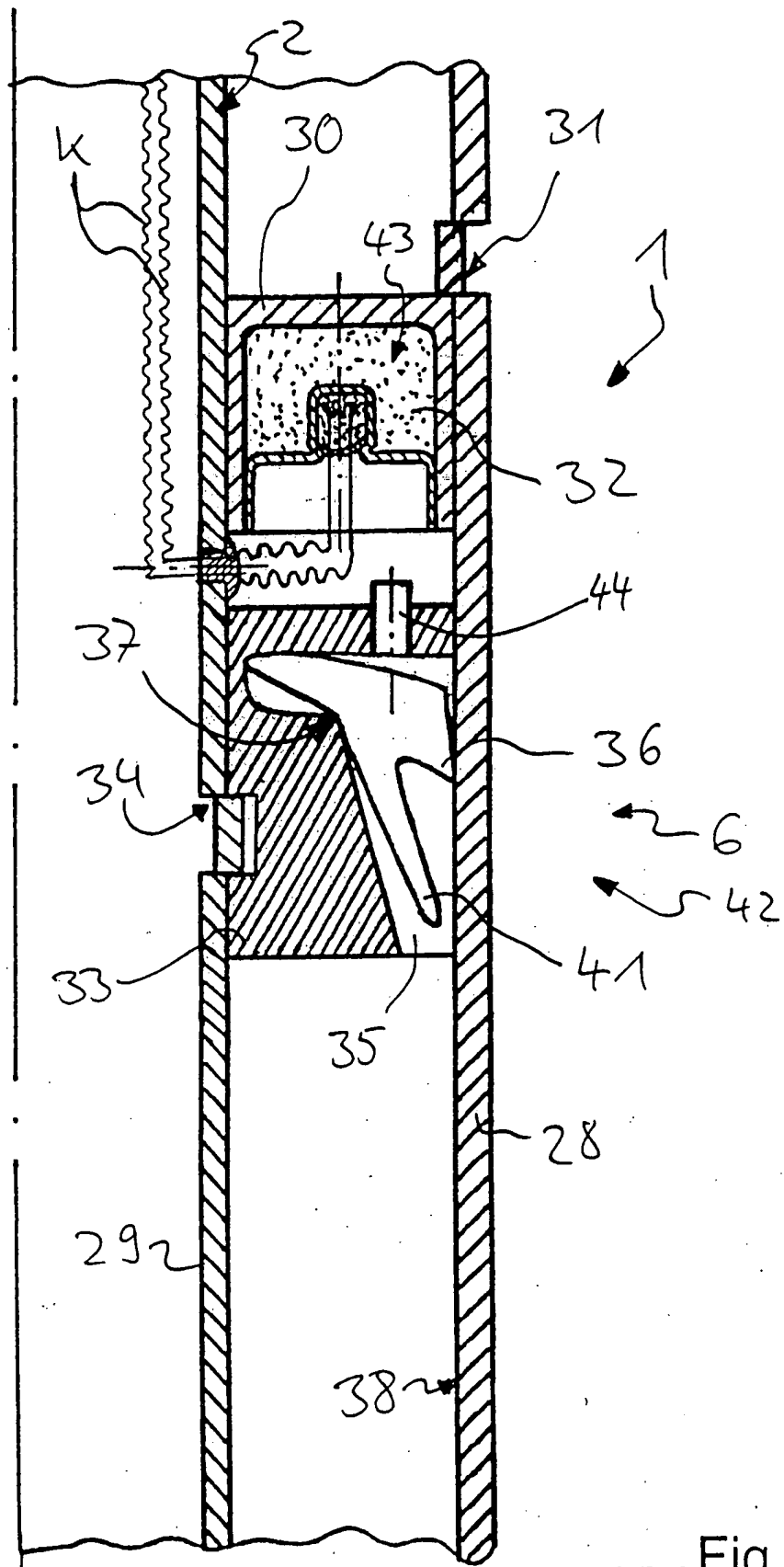


Fig. 6

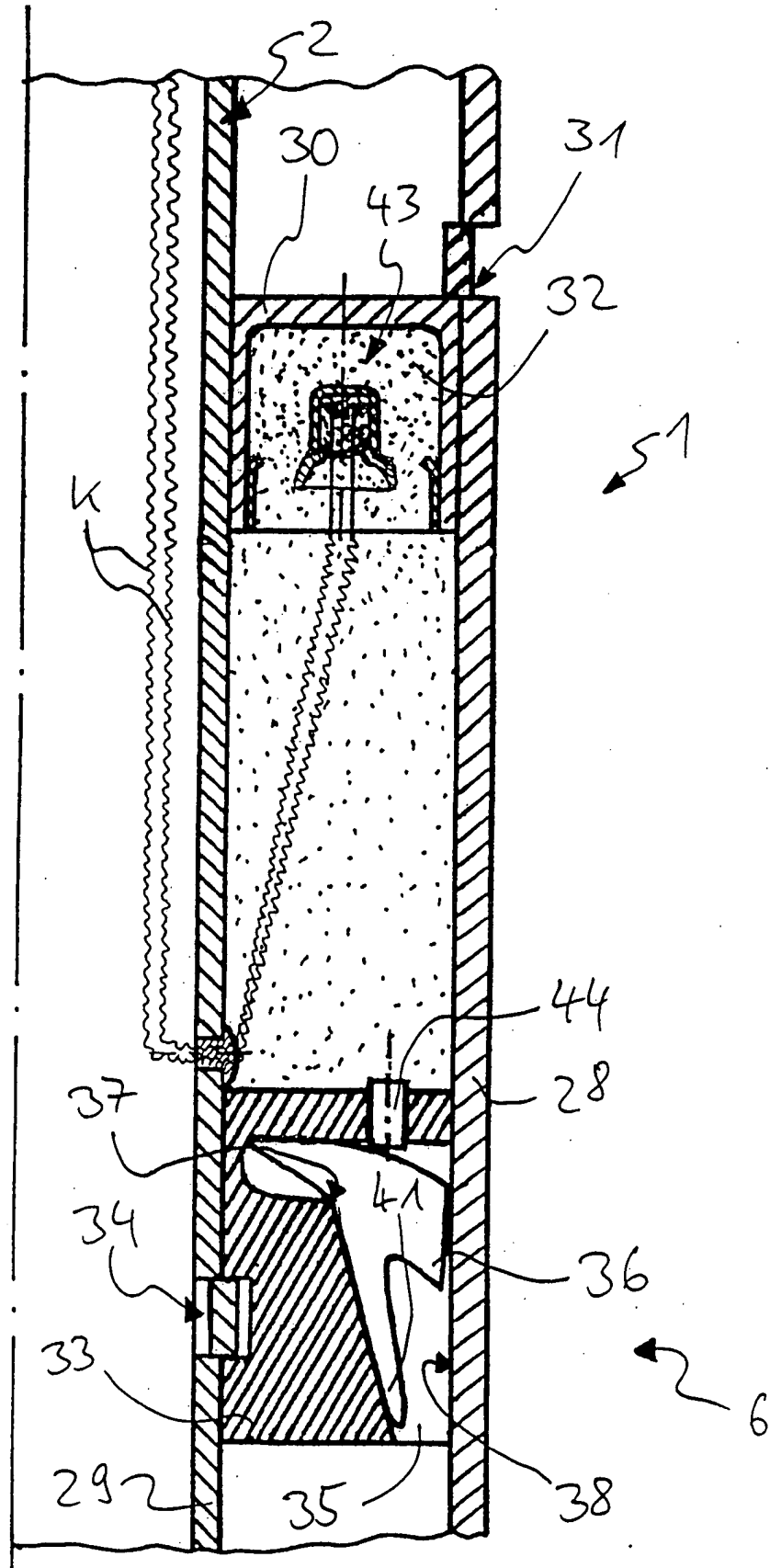


Fig. 7

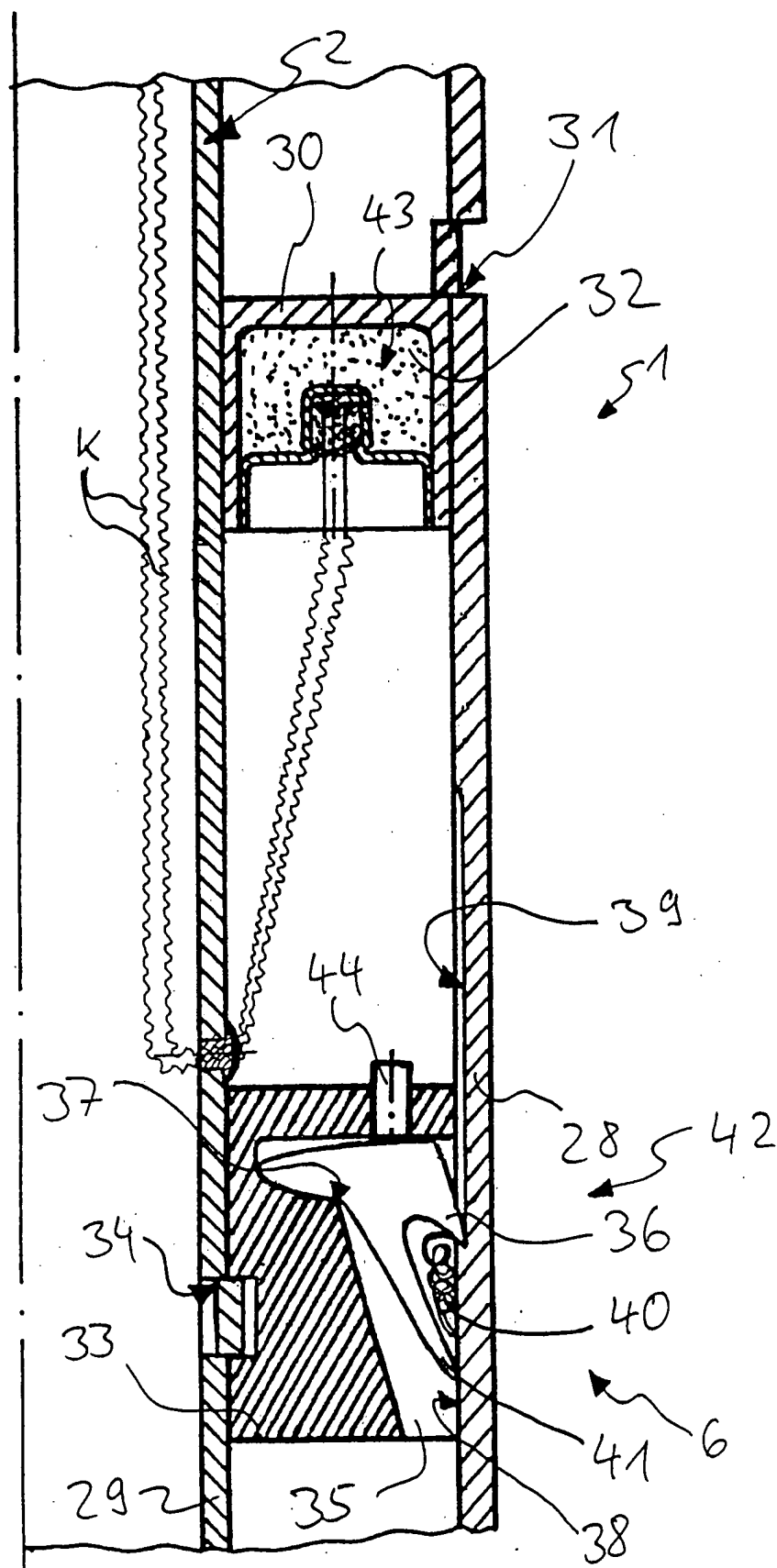


Fig. 8

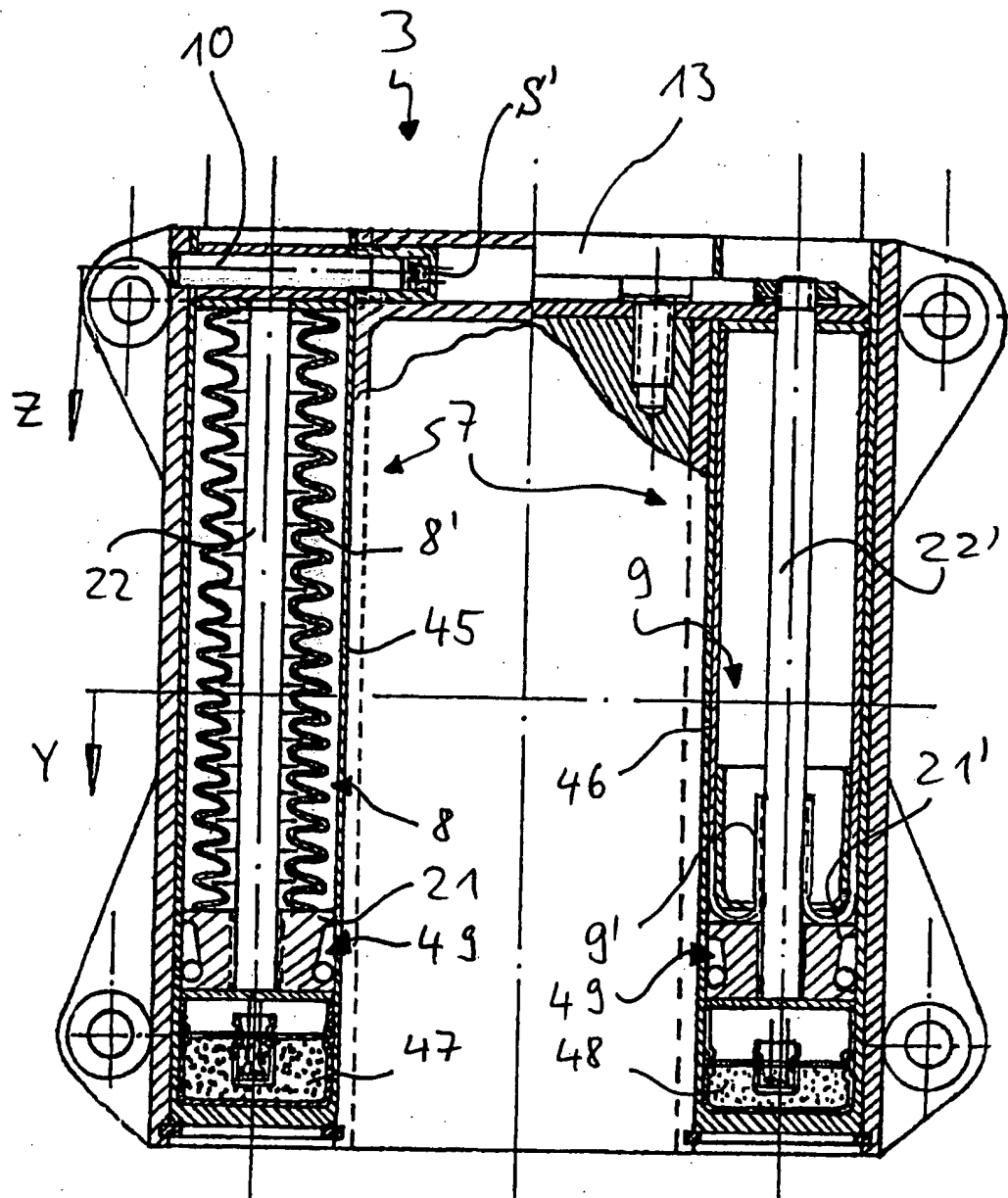


Fig. 9

Fig. 11

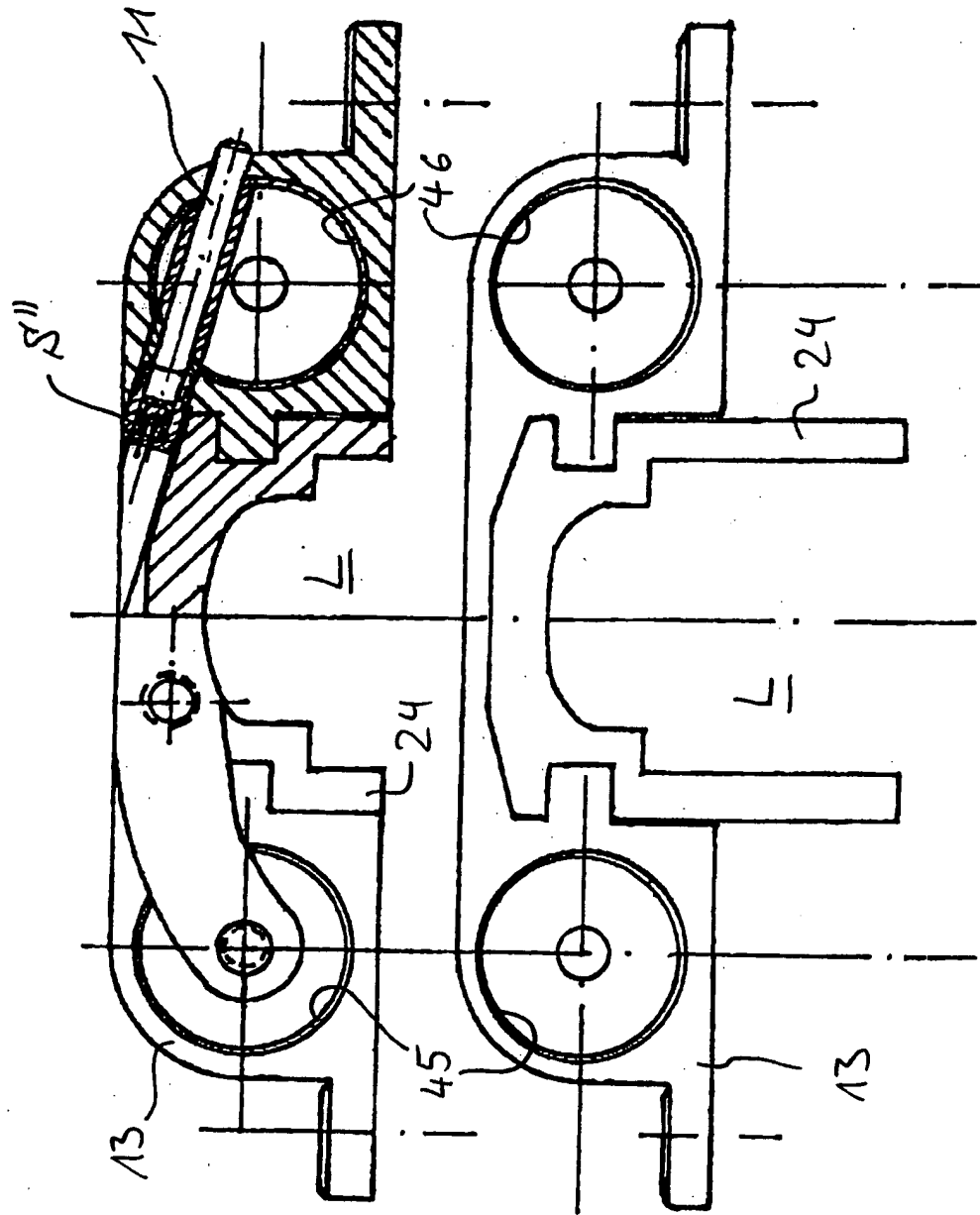


Fig. 10

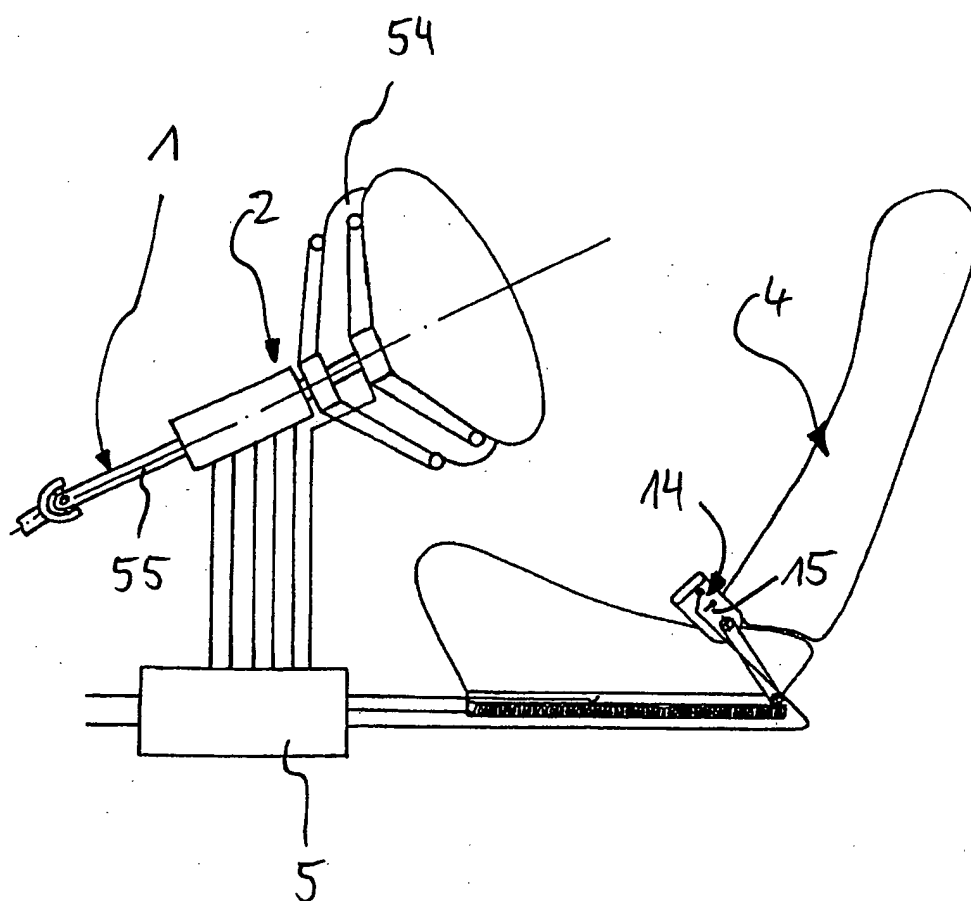


Fig. 12

Active Safety Steering Column
Unbelted 5 % Woman

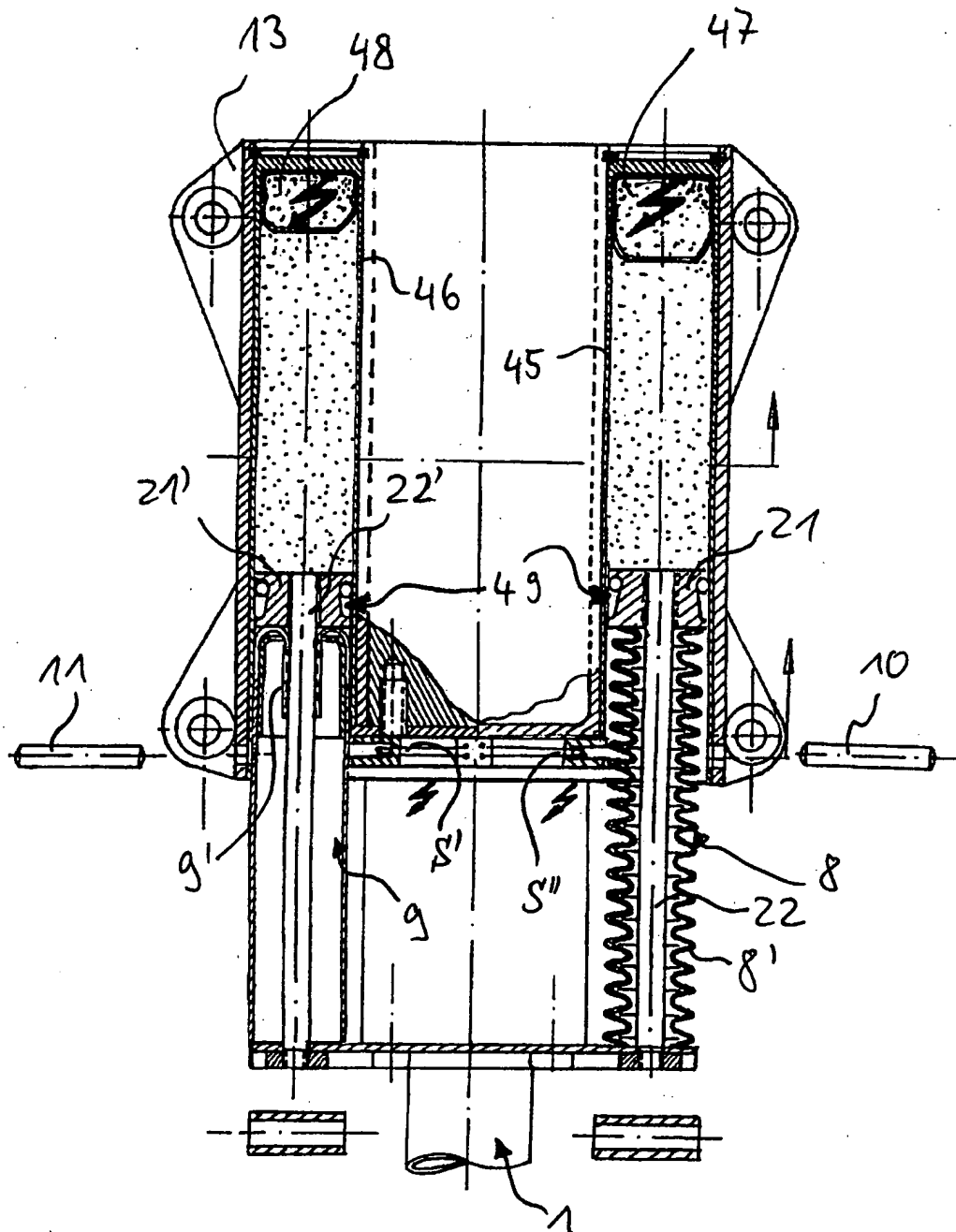


Fig. 13

Active Safety Steering Column
Unbelted 95 % Man

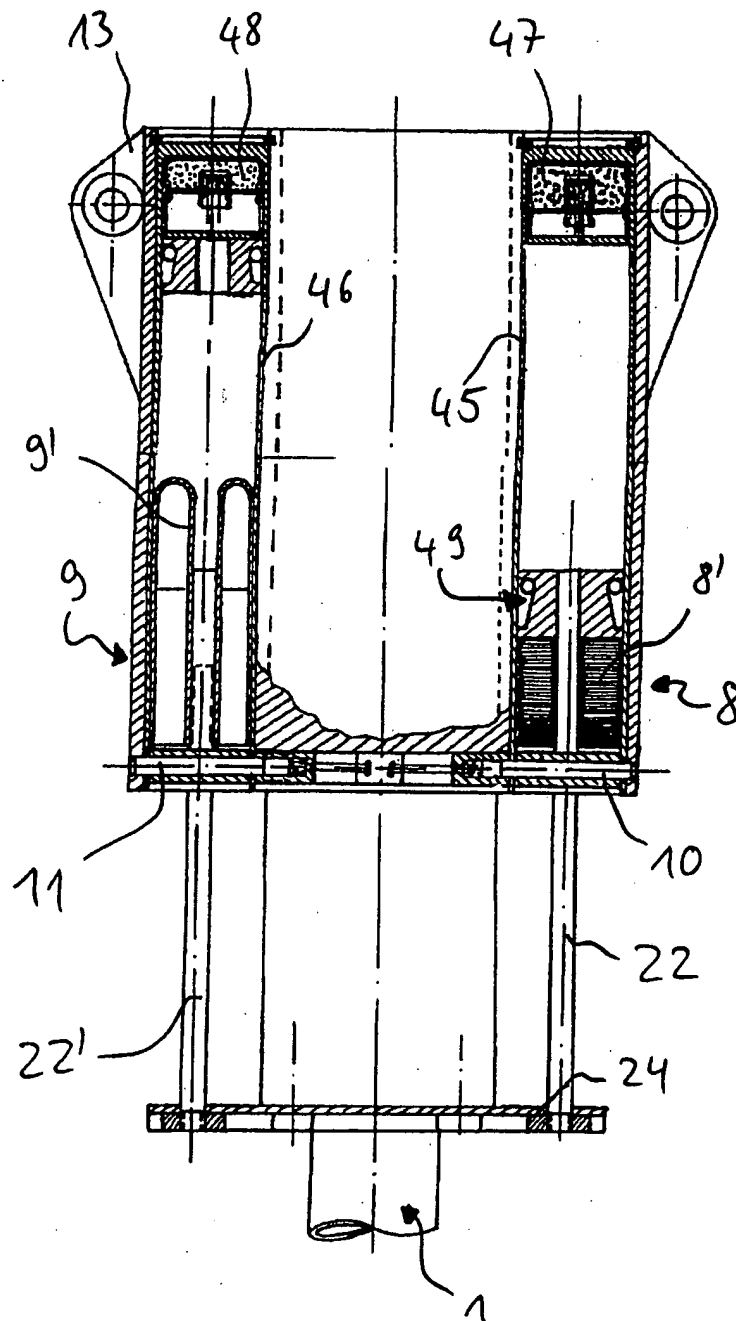


Fig. 14

5% Woman		95% Man	
belted	no belt	belted	no belt

50% Man		50% Man	
belted	no belt	belted	no belt

8kN 7msec	5kN 10msec	3kN 12 msec	0kN	2kN >>	4kN >>	6kN >>
pull away steering			unlock	load path limitation		

locking bolts A and B driving cartridge A and B	locking bolts A and B driving cartridge A	locking bolts A and B driving cartridge B	locking bolts A and B	locking bolt B	locking bolt A	no action
--	--	--	-----------------------	----------------	----------------	-----------

Activities						
------------	--	--	--	--	--	--

Variable Parameters: Application - Height of Load - Characteristic Curve

100-100000-100000

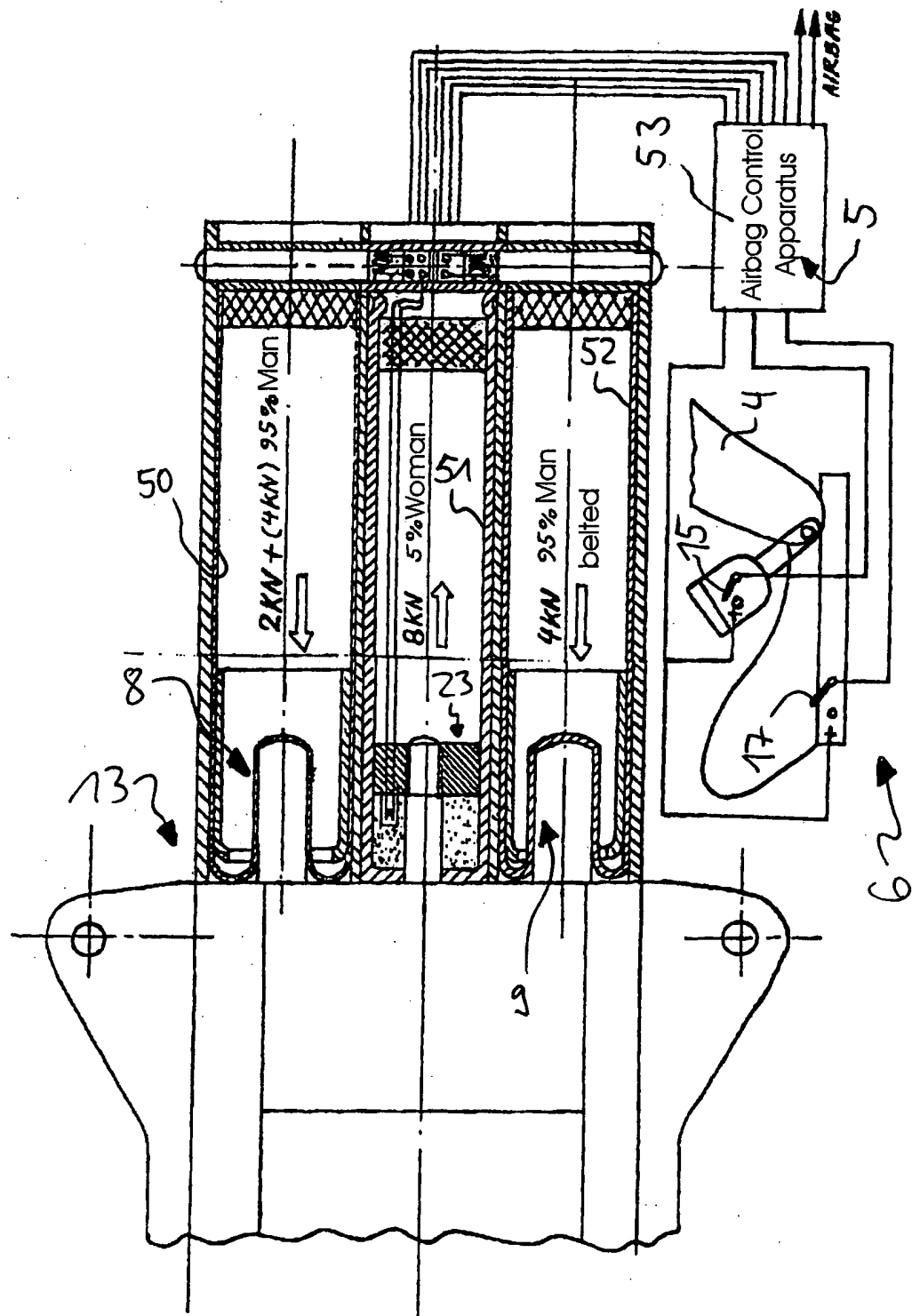


Fig. 16